

Occupational Map: Digital

This is one of 15 occupational maps that group together occupations that require similar knowledge skills and behaviours. Career pathways and occupational clusters have been used to provide further grouping of occupations, with the pathways indicating options for likely career progression. Every apprenticeship standard has been captured, as well as other skilled occupations where there is a substantial requirement for technical knowledge and practical skills. This map is split into 3 pathways: Digital Support and Services; Digital Production, Design and Development; and Digital Business Services. The pathways have been split further into several occupational clusters, particularly at the higher technical occupations and professional occupations levels.

Occupations in green: Standard approved for delivery

Occupations in amber: Standard published

Occupations in red: Standard in development

Occupations in black: Standard awaiting development

The number shown in brackets () is the level of the apprenticeship (if known)

Career Pathway

Technical Occupations

Technical occupations: skilled occupations that a college leaver or an apprentice would be entering, that typically require qualifications at levels 2/3.



Higher Technical Occupations

Higher Technical occupations: require more knowledge and skills acquired through experience in the workplace or further technical education. They typically require qualifications at levels 4/5.



Professional Occupations

Professional occupations: occupations where there is a clear career progression from higher technical occupations, as well as those occupations where a degree apprenticeship exists.

[Click here](#) for more information on the occupations listed in this map

Digital Support and Services

Cluster: IT Support and Services Technician

Help internal and external customers to install and use IT technology along with trouble - shooting their problems. Skills are developed across IT security and data management.

Digital Support Technician (3):

- Digital Applications Technician
- Digital Service Technician

Infrastructure Technician (3)

- Hardware Solutions
- Software Solutions

IT Support

Network Cable Installer (3)

Radio Network Technician (3)

Unified Communications Technician (3)

Cluster: Cyber Security Technician

Detect security breaches and respond using alerts from automated tools to determine breach status and resolution working with the incident response team. Extended skills allow hazards, risks and controls to be managed.

Cyber Intrusion Analyst (4)

Cyber Security Technologist (4)

- Technologist
- Risk Analyst

Cluster: Cyber Security Professional

Provide and implement cyber security technology enabled solutions for internal and external customers.

Cyber Security Technical Professional (degree) (6)

Cluster: Hardware, Networks and Infrastructure Technician

Design, install, maintain and support communication networks. Knowledge extends to network configuration, cloud, network administration and monitoring tools. Provides advice and guidance to internal and external customers.

Network Engineer (4)

Unified Communications Troubleshooter (4)

Cluster: IT Systems Technician

Co-ordinate systems development tasks including the design, integration and formal testing, oversees transition into production.

Computer Systems Analyst

Systems Engineer

Digital Production, Design and Development	<p>Cluster: Software Development Technician Build simple software components (web, mobile, desktop applications) as a part of larger software development project. Interpret simple design requirements and testing to ensure components meet their intended functionality.</p> <p>Software Development Technician (3)</p>	<p>Cluster: Software Development Advanced Technician Build and test simple, high quality codes across various layers (front end, logic and database) and interpret design documents and specifications.</p> <p>Digital User Experience (4) Games Designer Software Developer (4) Software Tester (4) Video Games Quality Assurance Technician (4) Web Development/Web Design</p>	<p>Cluster: Software Development Professional Software engineering covering modelling, simulation, human factors, systems engineering and influences upon product architecture throughout the whole product lifecycle.</p> <p>Digital User Experience (UX) Professional (6) Creative Digital Design Professional (6)</p>
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Digital Business Services	<p>Cluster: Digital Business Technician Define, design, build and implement digital campaigns on all platforms to drive customer acquisition, engagement and retention, sell technical products and services and manage customer relationships.</p> <p>Data Technician (3)</p>	<p>Cluster: Digital Business Advanced Technician Analyse and deliver business requirements in order to maximise the impact of digital technology across an organisation.</p> <p>IS Business Analyst (4) Data Architect</p>	<p>Cluster: Digital Business Professional Devise, implement, monitor and optimise digital campaigns including web design/re-design using customer and user research.</p>
		<p>Cluster: Business Analyst Advanced Technician Collect, organise and analyse data to provide business insights using extensive knowledge of data solutions, database systems and analytical tools.</p> <p>Data Analyst (4)</p>	<p>Cluster: Business Information Professional Provide and implement data technology enabled solutions to support internal and external customers.</p> <p>Data Scientist (degree) (6)</p>
		<p>Cluster: Digital Solutions Advanced Technician Develop technical solutions to solve internal or external customer business problems, and seek to maximise the value gained from the solution. Deliver solutions to time, budget and scope.</p> <p>Community Coordinator/Associate Community Manager (4) IT Product Manager Web Content Manager</p>	<p>Cluster: Digital Solutions Professional Provide and implement technology enabled solutions to internal and external customers.</p> <p>Digital & Technology Solutions Professional (degree) (6): - Business Analyst - Cyber Security Specialist - Data Analyst - IT Consultant - Network Engineer - Software Engineer</p> <p>Digital & Technology Solution Specialist (7): - Cyber Security Technology Specialist - Data Analytics Specialist</p>

- Digital Business & Enterprise System Architecture Specialist
- IT Business Analyst Specialist
- IT Operations Management Specialist
- IT Project Management Specialist
- IT Strategy Specialist
- IT/Digital Futures Management Specialist
- Network Engineering Specialist
- Software Engineering Specialist
- Systems Test & Assurance Specialist

